

201210-12110001

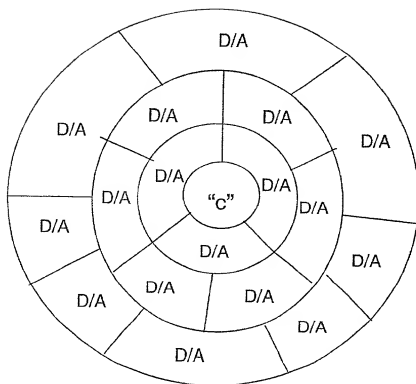


FIG. 1

10004421.042492

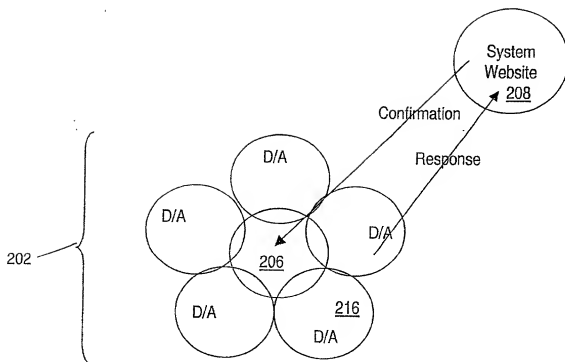


FIG. 2

FIG. 3

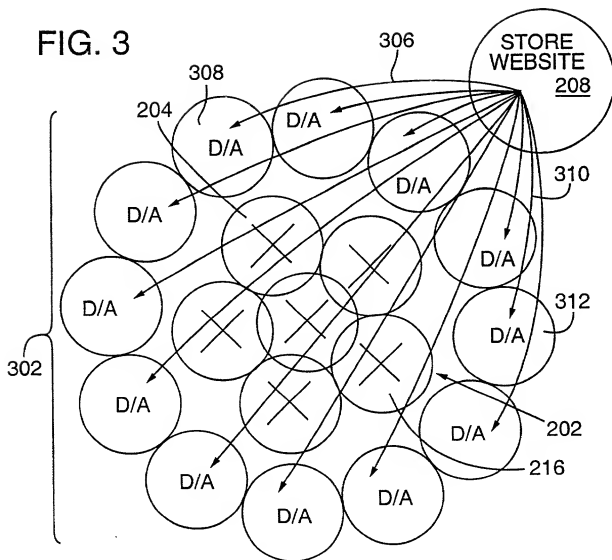


FIG. 4

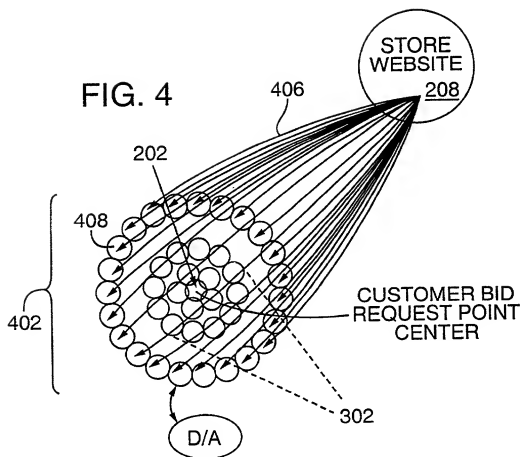


FIG. 5

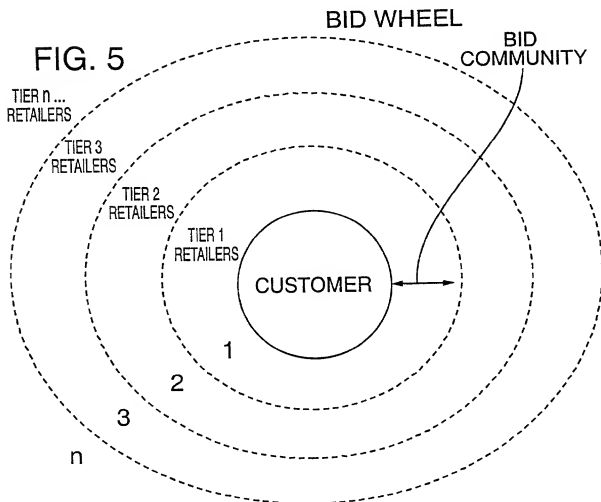


FIG. 6A

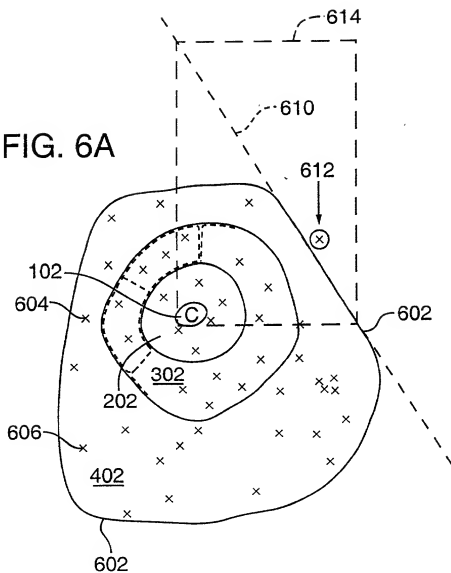


FIG. 6B

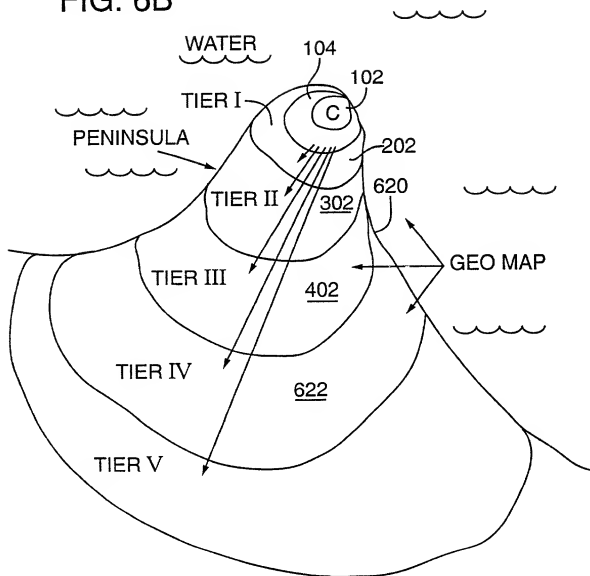
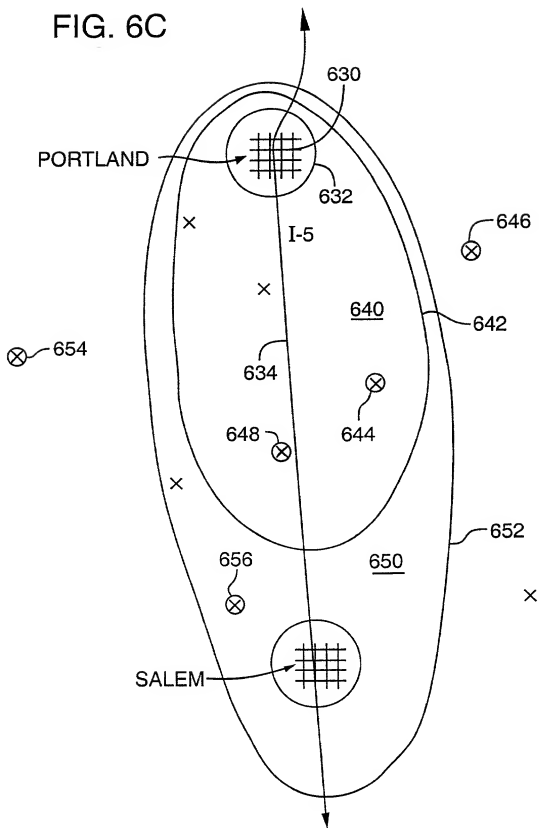


FIG. 6C



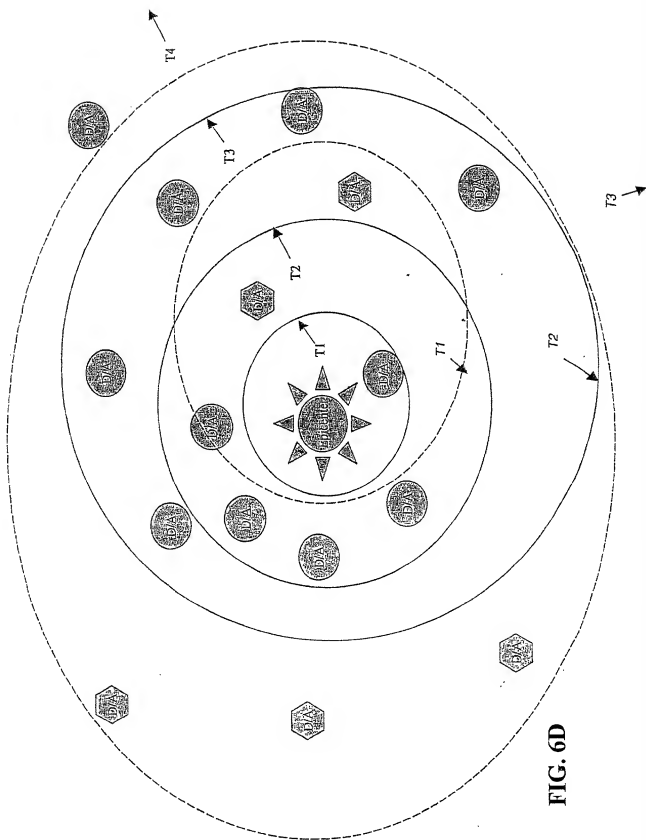
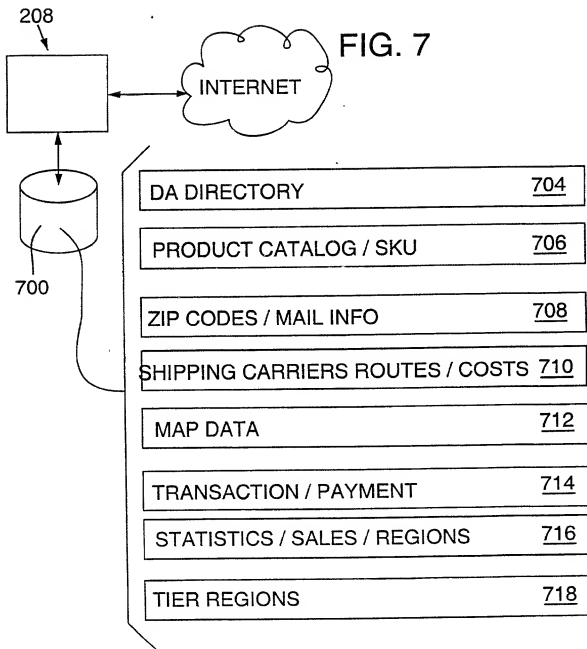


FIG. 6D



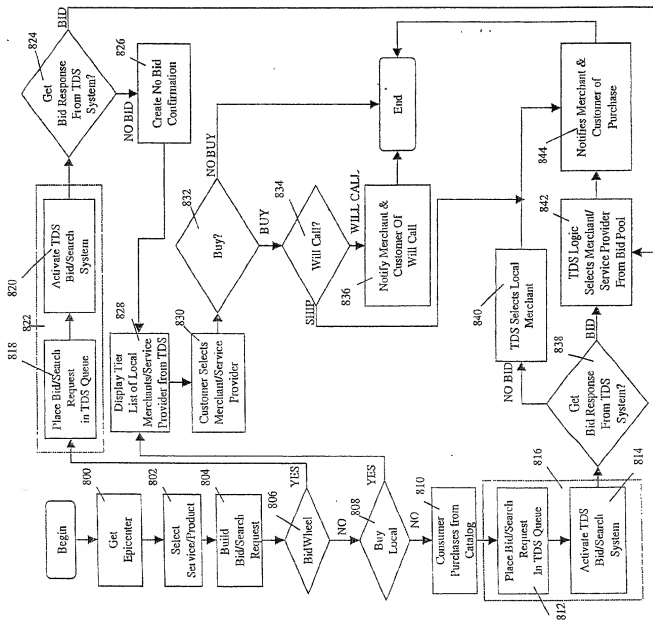


FIG. 8

Bid Wheel (TDS) Logic

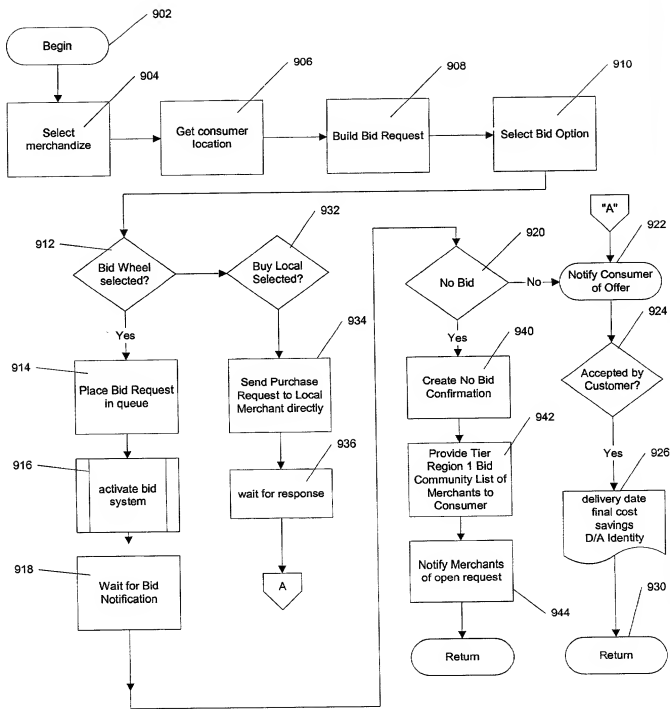


FIG. 9

BID SYSTEM

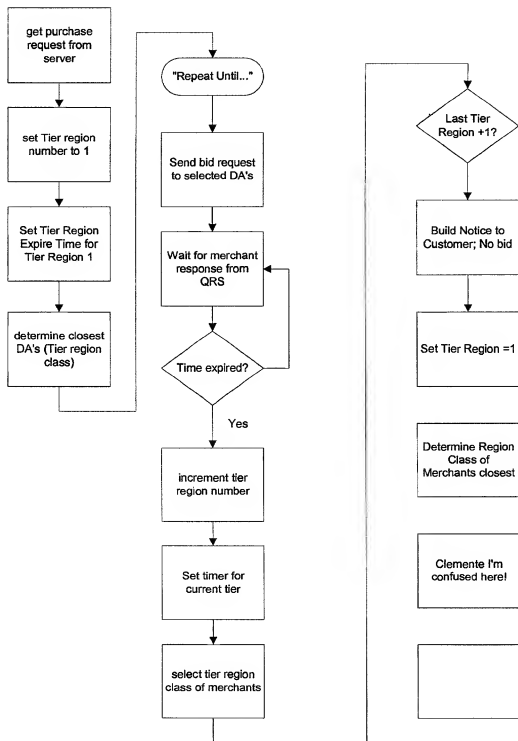


FIG. 10

FIGURE 11A

TDS Logic Engine

WHILE (Forever) DO

Begin

Select Merchandise (Merchandise_Type) from Consumer

Get Region_Id (Zip_Code) from Consumer

Build Bid_Request (Merchandise_Type, Zip_Code)

Select Bid_Option (Retail_Price, Bid_Wheel)

IF Bid_Wheel Selected THEN

Begin

Place Bid_Request in SAA.com Bid_System Queue (Response_Time, Lowest_Bid)

Activate Bid_System™

Wait For Bid_Notification

End

ELSE

Begin

Send Bid_Request (Retail_Price) to Local Merchant Directly

Wait For Bid_Notification

End

IF No Order Bid THEN

Begin

Create No Order Bid Confirmation

Provide Tier Region 1 Bid Community List of Merchants for Consumer to contact

End

Notify Consumer Of Confirmation Of Order (Delivery Date, Final Cost, Savings, D/A_Id)

End

FIGURE 11B

Bid System

```
Get Bid_Request from SAA.com Bid_System Queue (Response_Time, Lowest_Bid)
Set Bid_Request Tier_Region_Number to Tier_Region_1
Set Tier_Region_Expired_Time for Tier_Region
Determine_Tier_Region_Class of Merchants Closest to Consumer From Tier_Region_Data Base
  ( Tier_Region, Bid_Community )
REPEAT
  Begin
    Send Bid_Request For Quote/Bid To Tier_Region_Class of Merchants (Merchant_List)
    Wait For Merchant Response from Quick Response System™ OR
    Tier_Region_Expired_Time
    IF Tier_Region_Expired_Time_THEN
      Increment Bid_Request Tier_Region_Number
      Set Tier_Region_Expired_Time for Next Tier_Region
      Determine_Tier_Region_Class of Merchants Closest to Consumer From
      Tier_Region_DataBase ( Tier_Region_Number, Bid_Community )
    End
  UNTIL (No_Confirmation_Received from D/A OR NOT Tier_Region_Expired_Time)
    AND (NOT (Last_Tier_Region + 1) DO

IF Last_Tier_Region + 1 THEN                                     /* No Bids Received */
  Begin
    Build Confirmation Notice of No Order Bid for Consumer
    Set Bid_Request Tier_Region_Number to Tier_Region_1
    Determine_Tier_Region_Class of Merchants Closest to Consumer From
    Tier_Region_Data Base ( Tier_Region, Bid_Community )
    Create Notify Message to Tier_Region 1 Merchants for Order Fulfillment
    Send Bid_Request For Quote/Bid To Tier_Region_Class of Merchants (Merchant_List)
  End

IF Merchant Response with Confirmation_Received THEN
  Build Confirmation Notice of Order for Consumer
```

FIGURE 11C
Quick Response System™

Wait for Next Response from Merchant
Get Merchant_Id (D/A_Id)
Validate_Merchant_Identifier
Get Bid_Response_Form from Merchant Input (Bid_Number, Product_Code, Sell Price)
Validate Bid Number, Product Code, Sell Price
IF Lowest Price In Tier_Region_Class of Merchants Participating In Bid_Number THEN
 Begin
 Close Out Reverse Auction Bidding on Bid_Number Record
 Notify Bid_System of Merchant Confirmation Completed
 Notify Tier_Region_Class of Merchants
 End

Create Tier Region

Determine_Tier_Region_Class of Merchants Closest to Consumer
(Tier_Region, Bid Community)

Begin

Select Merchandise (Merchandise_Type) from Consumer Bid_Request
Get Epicenter_Region_Id (Zip_Code) from Consumer Bid_Request
Set Vertical_Market_Type to Merchandise_Type
Get Tier_Region_Number from Bid_Request
Search Tier_Region_Class Data Base on Zip_Code for Area Match
Build Merchant_List from Tier_Region_Class
Search Merchant_List based on Vertical_Market for Match
Optimize_Merchant_List to Best_Price_Schedule Algorithm based on Tier_Region_Parameters
Build Tier_Region_Class of Merchants (Tier_Region)
Create the List of Merchants to participate in reverse auction (Bid_Community)

End

Create Tier Region

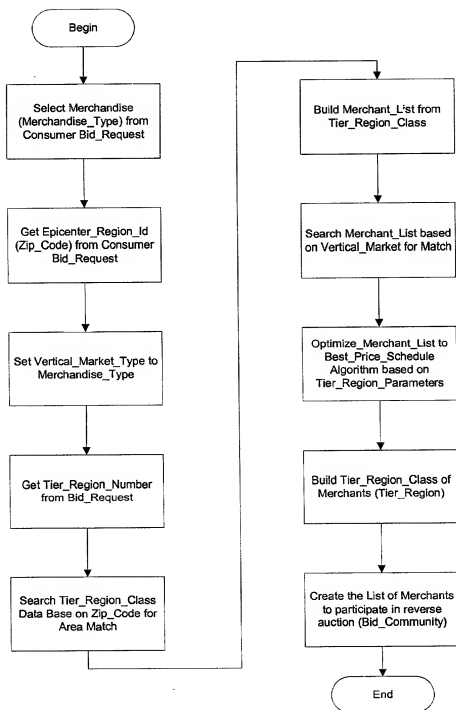


FIG. 12

1302



Apparel
Appliances
Automotive
Batteries
Baby Items
Bath Towels
Beauty Supplies
Beds & Mattresses
Boats Register
Books & Literature
Boxes
Bicycles
Bridal & Tuxedo
Cameras
Candy
Camper/RV
Carpets & Rugs
Cell Phones
Collectibles
Computers
Electronics
Draperies
Fabrics
Farm & Feed
Food & Gourmet
Flowers
Furniture
Games
Greeting Cards
Hardware
Healthcare
Home & Garden
Housewares
Jewelry
Lighting Fixtures
Lumber Yard
Music & Videos
Motorcycles
Office Supplies
Paint Supplies
Party Supplies
Pet Supplies
Pharmacy
Sporting Goods
Toys

Product Search

Go Shopping

Welcome to a nationwide team of businesses committed to bringing you the best product, service and support available over the Internet! [Click here](#) to learn more about us.

[Click Here](#)
To Learn More
About Us!



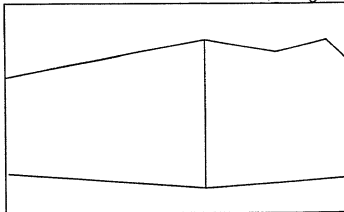
24 Hour Live Operator!

Click for live assistance.

May I help you?

ShopallAmerica
.com
STORE LOCATOR

Featured Store: Hazen Hardware, Oregon



Hazen Hardware is a 2nd generation family business owner by Bob and Terry Smith. With over 40 years of

Today's In-Stock
Inventory Value:
\$782,614,225

Featured Items:



Star War
Box Set
VHS,
\$59.95



Callaway
golf set.
\$1,299.9
irons, 3
woods,
putter and
bag.

Find Stor

Online
Investing
Beginner
guide -
\$14.95

Find Stor

Nintendo
Game bo
and
Accessor
\$98.95

Find Stor

Digital Vi
Cam. \$5

Find Stor

High
Resolutio
Color Pri
-Mac or

10004421.042400

... PRODUCT TYPE GARDENING

TOOLS

☐ Shovel, long

☐ Shovel, short

☐ Shovel, square

☐ Trowel, basic

☒ Trowel, deluxe

☐ Wheelbarrow

PLANTS

☐ Spathephylum

☐ Venix

☐ Biscus

☐ Bicuspid, red

☐ Chrysanthemum

☐ Hydrangea

☒ BUY LOCAL

☐ BIDWHEEL

SKU
PIC
MSRP
DESC

Home

Search

New Type

Customer Service

Cart

Submit

FIG. 14

FIG. 15A

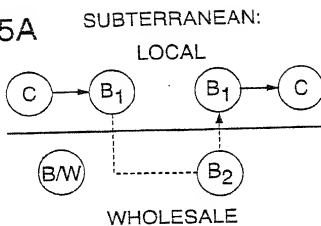
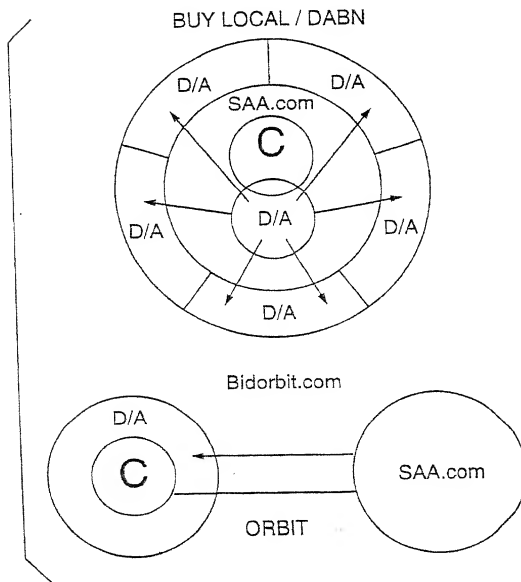
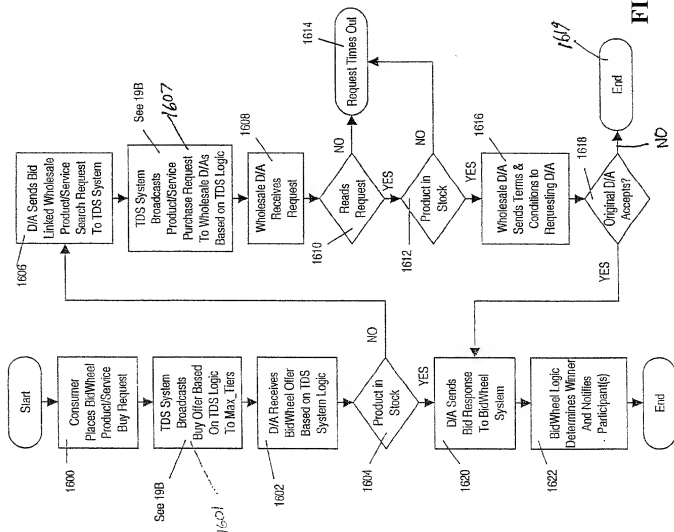


FIG. 15B



20424012440001



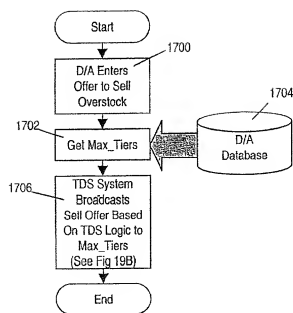


FIG. 17

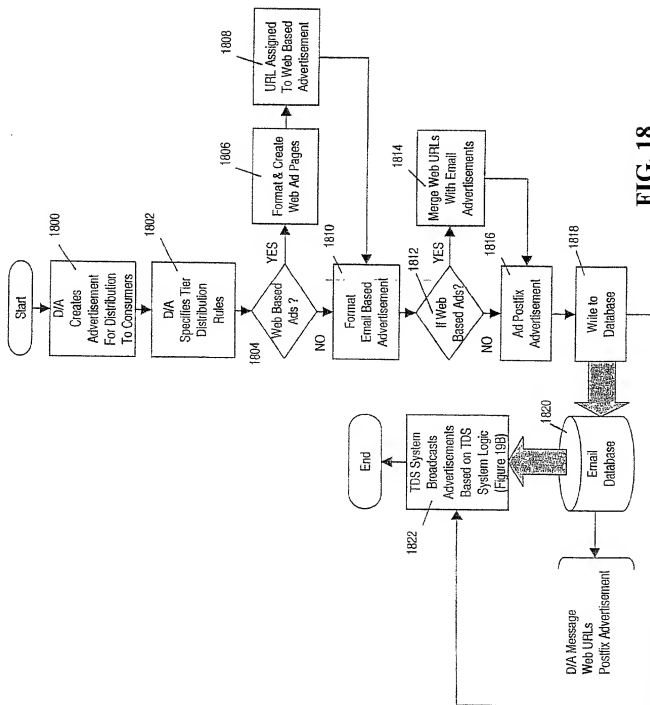


FIG. 18

ShopAllAmerica.com - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address: http://www.shopallamerica.com

Links: Customizable Links Free HTML Windows Media Windows

Friday April 12, 2002

1. Enter Zip Code

2. Browse by Category

Apparel & Accessories
Appliances
Automotive
Beauty & Fragrance
Books, Music & Video
Business
Cameras & Photography
Cards & Gifts
Carpets & Floors
Collectibles & Fine Art
Community
Crafts & Fabrics
Electronics
Entertainment
Farm & Feed
Flowers
Food & Gourmet
Health & Medical
Home Furnishings
Home Improvement
Jewelry
Lawn & Garden
Office
Pets
Real Estate
Resale
Restaurants
RVs, Boats & Trailers
Services
Sports & Recreation
Toys, Hobbies & Games
Travel & Lodging

ShopAllAmerica.com™

ShopAllAmerica brings customers and local businesses together online unlike anyone else on the Web.

Shopping local, dining local and saving local are as easy as 1, 2, 3.

Step 1: Localize the Site	Step 2: Define your Search:	Step 3: Let us do the Rest!
Enter your:	Choose a category:	Shop locally:
Zip Code: <input type="text"/>	<input type="text"/>	<input type="text"/>
Address: <input type="text"/>	Apparel & Accessories	Go!
City: <input type="text"/>	<input type="text"/>	

As a first-time visitor, would you like to register with ShopAllAmerica.com?

Where to go for it
Now, there's a tool that can help:

Whether you're looking for fabulous fine dining or a quick stop to the local pizza parlor let DineAllAmerica take you there. From bagels to bistros, we feature over 80 categories of neighborhood eateries. Find the dining experience you crave!

DineAllAmerica.com™

Enter your zip code: and **GO!**

Your Tool Box

Visual Net Pages™
A photo directory of local businesses.
Local Business Locator
Search for businesses by distance, alphabetically, or by ShopAllAmerica Members.

Neighborhood Sites
View store hours, specialties, contact info and much more!

Add a Merchant
Do you know of someone who isn't in our list? Let us know so we can add them!

Tell a Friend
Do you like what you've seen here? Tell a friend about our site!

Bookmark Us
Make it easy to find us again. Bookmark our site!

Give Us Feedback
Your opinion matters! Please let us know what you think!

Home | About Us | Careers | Member Services | Contact Us | Privacy Policy
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Protected by Copyright and multiple Patent Pending.

ShopAllAmerica.com™

Internet

FIG. 18A

204240*12440001

ShopallAmerica Merchant Mailer Consumer Opt-In

Enter your address

Address: 19163 SW Murphy Ct

Zip Code: 97007

Indicate Areas of Interest by Vertical Market

Automotive ☐

Food & Gourmet ☐

Sporting Goods ☐

Indicate merchants that you wish to receive mailings from:

Joe's Deli & Gourmet Foods ☐

Safeway Grocery Stores ☐

True Value Hardware ☐

FIG. 18B

ShopallAmerica.com - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Search Favorites History

Address Links

Home > Services > Professional Organizers > Home Organizers Unlimited > Specials > Sidetracked Home Executives

ShopallAmerica.com

Change Location Address City 97006 Go! Pages 30

Browse by Category

- Apparel & Accessories
- Appliances
- Automotive
- Beauty & Fragrance
- Books, Music & Video
- Business
- Cameras & Photography
- Cards & Gifts
- Carpets & Floors
- Collectibles & Fine Art
- Community
- Crafts & Fabrics
- Electronics
- Entertainment
- Farm & Feed
- Flowers
- Food & Gourmet
- Health & Medical
- Home Furnishings
- Home Improvement
- Jewelry
- Lawn & Garden
- Office
- Pets
- Real Estate
- Rental
- Restaurants
- RVs, Boats & Trailers
- Services
- Sports & Recreation
- Tools, Hobbies & Games
- Travel & Lodging

Home Organizers Unlimited

17850 NW Degees Ct.
Beaverton, 97005
Phone: (503) 629-9194
Fax:

View Shopping Bag

0 Items in cart

Home Inventory Services Specials Coupons

Sidetracked Home Executives

► Price: \$4.49
► Stock #: 0446377651
► Delivery Method: Shipping Available

Description: Authors, Peggy and Pam were two desperately disorganized sisters. They started each day with the best of intentions, swore that "today" they'd really clean their homes, get their kids' clothes in shape, and, for once, have dinner ready when their husbands came home from work, but...they never made it because they were **SIDETRACKED HOME EXECUTIVES** caught in the disorder of misplaced priorities, half-completed chores, and undirected energies. Two smart ladies who'd never used their heads in coping with their homes. SO, they analyzed their lives, and set up a rotating card system that scheduled their chores. They changed their attitudes, and it changed their lives. Now, with the understanding, humor, and patience of people who were NOT born organized, they show you how you can change too!

On Special!

► Offer: This "gently-used", value-packed paperback is priced at a considerable savings of over 50 percent off
► Offer Begins: 11/1/2001 Offer Ends: 5/30/2002
► Forms of Payment Accepted:
Cash Check Visa MasterCard Amex Discover

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Protected by Copyright and multiple Patent Pending.

ShopallAmerica.com

FIG. 18C

204240-12440001

ShopallAmerica.com merchant mailer

Hello Jamie,

You indicated an interest in books and gourmet food when you signed up as a consumer member of ShopallAmerica.com. Following are the local specials from merchants in your community that you have indicated interest in:

Time and Again Books

Goblet of Fire (Book 4), Harry Potter	List \$24.95	Our Price \$12.95
Harry Potter and Goblet of Fire	Our Price \$33.95	
Cassette Unabridged by J.K. Rowling	List \$39.95	
The Bear and the Dragon, Tom Clancy	Our Price \$24.95	
< < < Please stop in for details of our book exchange program > > >		

Joe's Deli

50-year-old Balsamic Vinegar	\$149.97
Corn Beef per pound	\$4.97
Pastrami	\$5.97
Cole Slaw	\$2.00
< < < Bring this ad in for \$1.00/lb off any deli meat > > >	

ShopallAmerica.com, your hometown shopper.

FIG. 18D

204240 12440001

Welcome Joe's Deli. Please enter your weekly specials.

Enter up to 4 specials. Each special can be described by an eighty-character definition with a price:

50-year-old Balsamic Vinegar \$149.97

Corn Beef per pound \$4.97

Pastrami per pound \$5.97

Cole Slaw per pint \$2.99

Post to Web Site ☐

Merchant Mail to Consumers ☐

Continue

FIG. 18E

201210-12110001

Send the weekly specials to: Select one

Home Market	<input type="checkbox"/>	# Sent
		500
Local consumers outside of your home market	<input type="checkbox"/>	2,500
Statewide	<input type="checkbox"/>	10,000
National	<input type="checkbox"/>	100,000
North America (includes Alaska, Hawaii & Canada)	<input type="checkbox"/>	120,000

Enter date to send xx/xx/xxxx

As a silver member of the ShopallAmerica.com merchant program, you may make one mailing a week. If you would like to make more than one mailing a week, please call ShopallAmerica.com at . . .

FIG. 18F

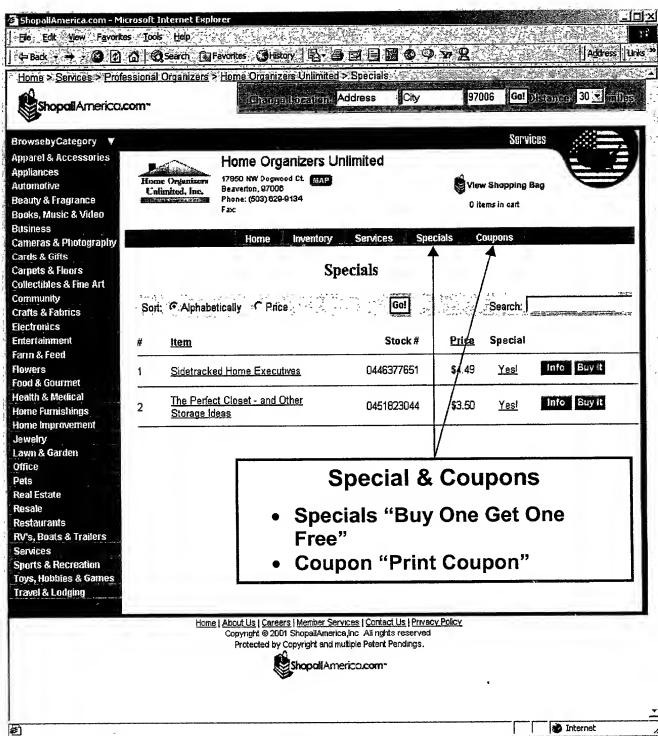


FIG. 18G

10004421 042402

Buy 5 Books
Get the 6th one FREE

Time and Again Books

Expires 9/30/00

ShopallAmerica.com Merchant Coupon

FIG. 18H

Merchant Coupon Distribution Rules Entry Page

Offer to everyone that visits my site

☐

Offer only to those that have indicated interest in my vertical field

☐

Offer only to those that have indicated no interest in my vertical field

☐

Offer only to consumers in my home tier

☐

Offer only to local consumers outside of my home tier but within my local area

☐

Offer only in my home state

☐

Offer to anyone

☐

Enter Rules

FIG. 18I

204240-1 12440001

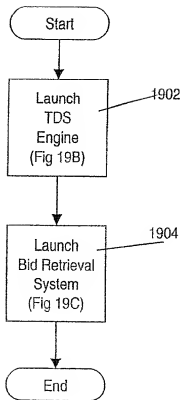


FIG. 19A

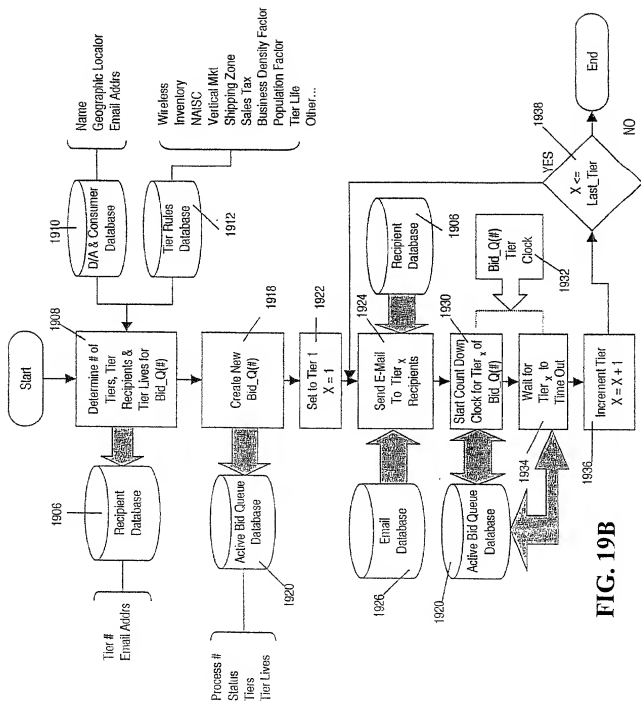


FIG. 19B

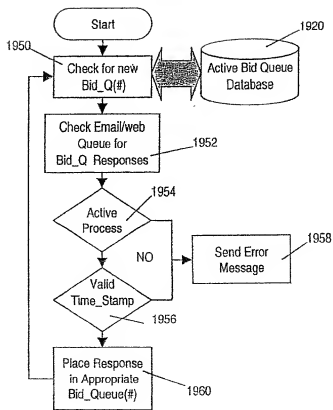


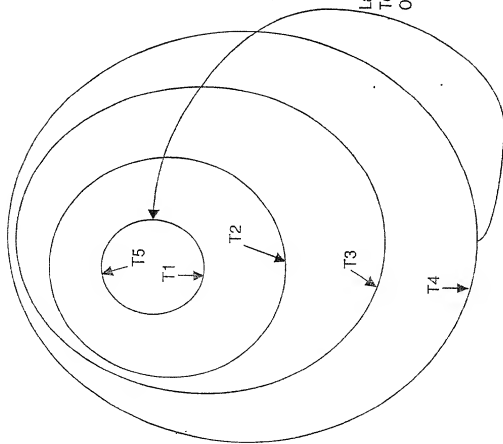
FIG. 19C

Example: Tier Area
 $T_{AA=1} = T_1$
 $T_{AA=2} = T_1 + T_2$
 $T_{AA=3} = T_1 + T_2 + T_3$
 $T_{AA=4} = T_1 + T_2 + T_3 + T_4$
 $T_{AA=5} = T_1$

Example: Tier Life

$T_1 = 5$ units
 $T_2 = 5$ units
 $T_3 = 5$ units
 $T_4 = 5$ units
 $T_5 = 0$ units
 Total Tier Life = 20 units

Last tier collapses
 To tier 1 at the end
 Of its tier life.



Note:
 $T_A = \text{Tier}_{\text{ACTIVE}}$

FIG. 20

Problem: Current web development requires that the prospective small business owner either pay for a custom designed Website or create their own site using either PC or web based tools. These methods are costly and confusing to the average small business owner. Using an automated system that requires only a photo and basic information about the business this system will dynamically create an entry in the Visual Net Directory with a hyperlink to the merchant website in real-time allowing an on-site salesperson to create the website for that business at one meeting, in real-time, at a very low price.

- 2100 — Step 1: Salesperson takes photo of business
 2102 — Step 2: Salesperson gets GPS location on laptop
 2104 — Step 3: Salesperson transfers photo from digital camera to laptop
 2106 — Step 4: Salesperson transfers photo & business data to the TDS system via wireless apparatus, land based telco line, etc.

Digital Camera



Digital Photo



Visual Net Page Directory and merchant web site are created dynamically and in real time by a server process using predefined templates to create an uniform look and feel for the website. The business address is converted into a centroid such as a geocode, longitude & latitude, etc for use by the TDS in determining economic tiering.

2108

Step 5: The salesperson shows the completed website and the Merchants entry into the Visual Net Directory.

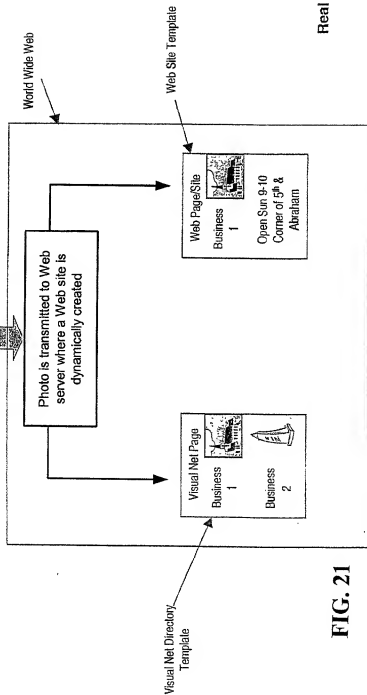
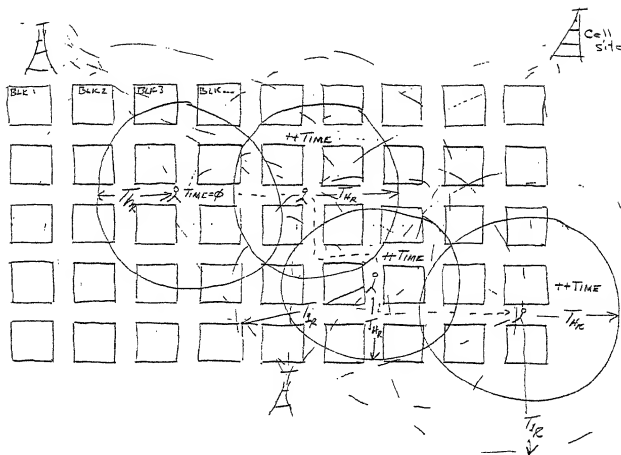


FIG. 21

Real Time Presence Model

Figure 22A

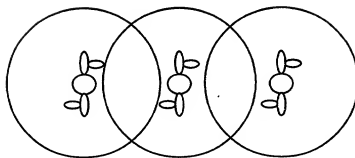


The consumer identifies the epicenter of the tiers – all businesses within T_H , the home tier, will show up in the wireless directory. Businesses not in the home tier can choose to be included in the wireless directory by purchasing a multi-tier package.

Tiering could be used as a sale stool – the merchant would automatically get a listing if the consumer was located in the home tier of the retailer. The retailer could pay to extend their home tier.

The tiering could be used to increase the attraction of the offer, *e.g.*, in the home tier the offer might be for 5% off, but in an extended tier (T_{H-X}) the offer could be 10% off.

MOBILE TIERING



Tier moves with user

FIG. 22B

10004421 0424402

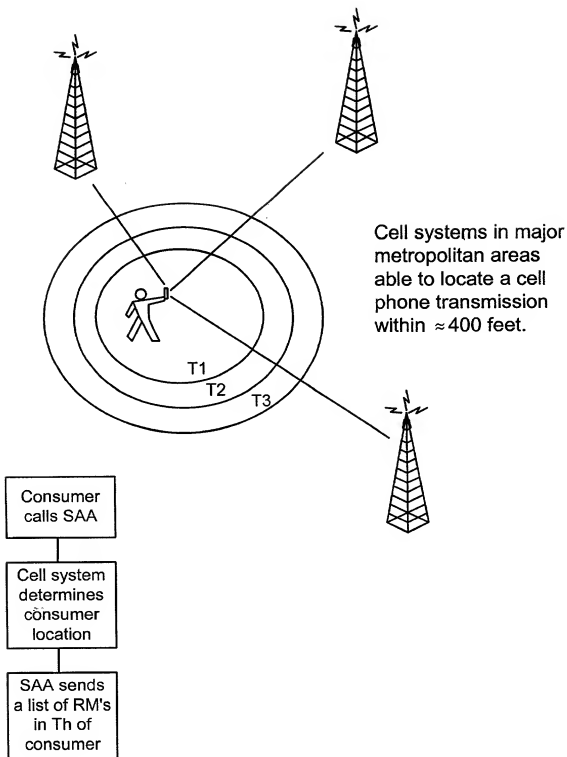


FIG. 22C

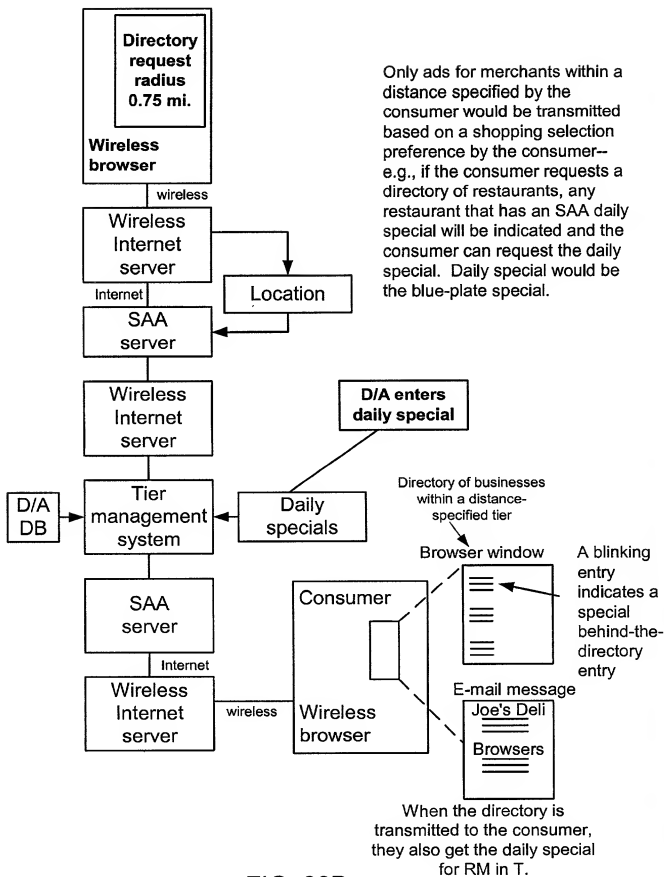


FIG. 22D